

Prepared April 7, 1992

Mine Name: Devil's Slide Quarry

Operator: HOLNAM INC

P. O. Box 122

Dundee, Michigan 48131

Telephone: (313) 529-2411

Contact Person: L. B. Giles (801) 829-6821

I.D. No: M/029/001

County: Morgan

New/Existing: Existing

Mineral Ownership: Private

Surface Ownership: Private

Lease No.(s): N/A

Permit Term: 5 years (surety)

Life of Mine: 50 years

Legal Description: Township 4 North, Range 3 East, Section 24 (see complete details in Reclamation Contract)

Mineral(s) to be Mined: Limestone and Sandstone

Mining Methods: Surface Mine

Acres to be Disturbed: 239 (1991 current and bonded disturbance is 79 acres)

Present Land Use: Wildlife and Mining

Postmining Land Use: Wildlife

Variances from Reclamation Standards (Rule R613) Granted: R647-4-13 (seeding pit benches)

Soils and Geology :

Soil Description: Mountain loams - well drained

pH: 8.0 - 8.5

Special Handling Problems: Parts of area are very steep

Geology Description: Limestone - sandstone outcrop

Hydrology:

Ground Water Description: No groundwater has been encountered

Surface Water Description: The existing ephemeral channels handle the runoff satisfactorily

Water Monitoring Plan: There is an existing EPA Discharge Permit #000159

Ecology:

Vegetation Type(s); Dominant Species: Dominant Species: Bluebunch wheatgrass, Bitterbrush, Muttongrass

Percent Surrounding Vegetative Cover: 40% - except for rock outcrops

Wildlife Concerns: None - Deer winter range

Surface Facilities: Garage and powder house will be removed

Mining and Reclamation Plan Summary:

During Operations:

There are 239 acres of land being disturbed and used for mining of limestone and sandstone in this operation. The primary product produces is cement. The mined area is very steep.

After Operations:

All disturbed areas except the solid rock outcrops will be shaped and reseeded. The soils are good in this area, and there is over fifteen inches of precipitation, so revegetation will not be difficult.

Equipment, buildings and debris will be removed from the site.

Surety:

Amount: \$147,800
Form: Surety Bond
Renewable Term: 5 years (1997 dollars)

*in 1997 the
Surety escalated to
177,600
2002 dollars*